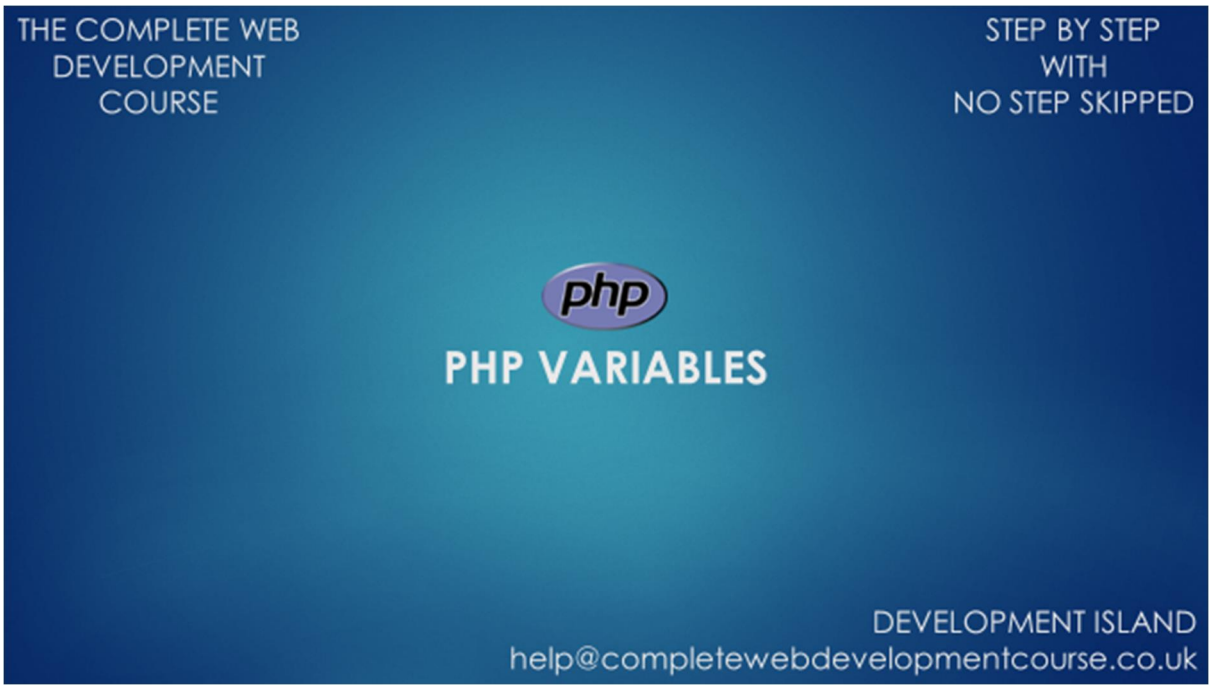
```php
<?php
echo "Hello World!";
?>
```

```
<!DOCTYPE html>

<html>
    <head>
        <meta charset="utf-8">
        <title>Embed PHP in HTML</title>
    </head>
    <body>
        <h1>Embed PHP in HTML</h1>
        <p>
<?php
    echo "This is a paragraph.";
?>
        </p>
<?php
    echo "<p>This is another a paragraph.</p>";
?>
    </body>

</html>
```

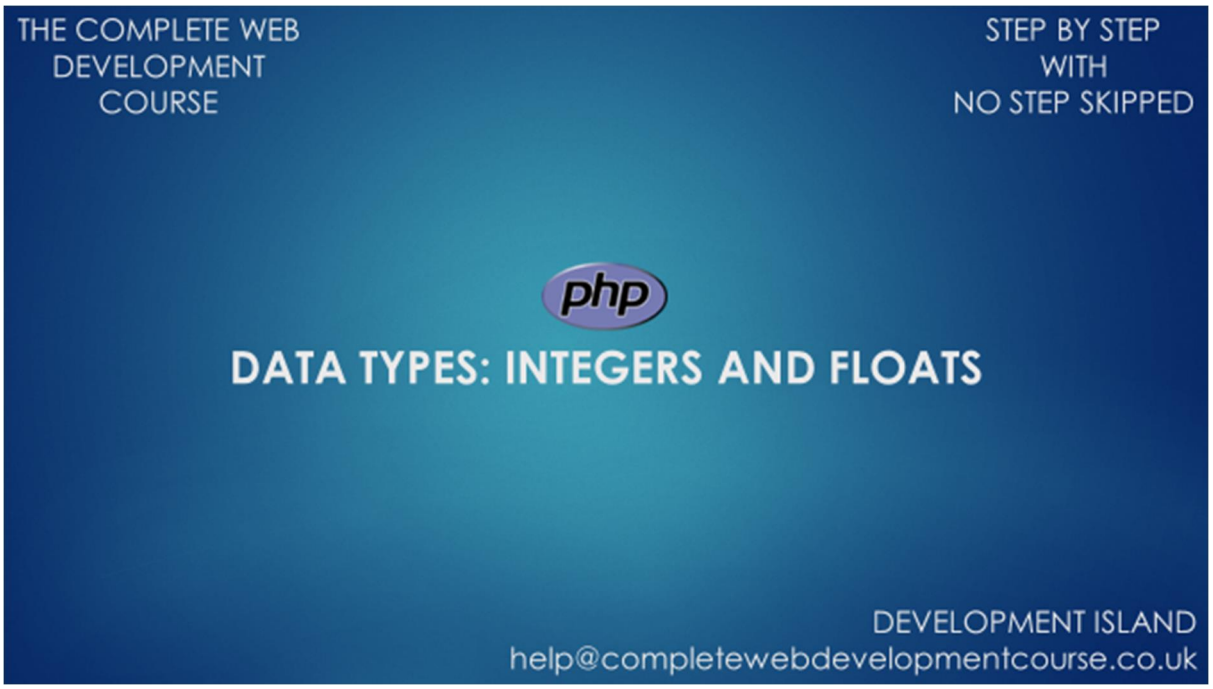



```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>variables</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
        </style>

    </head>
        <body>
            <div class="container-fluid">
                <h1>Variables:</h1>
                <p>
<?php
$name = "John";
$age = 33;
```

```
echo "My name is " . $name . ". I am " . $age . " years
old.";
?>
                </p>
                <p>
<?php
define("COUNTRY", "ENGLAND");
echo "Flight destination: " . COUNTRY;
?>
                </p>
            </div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```

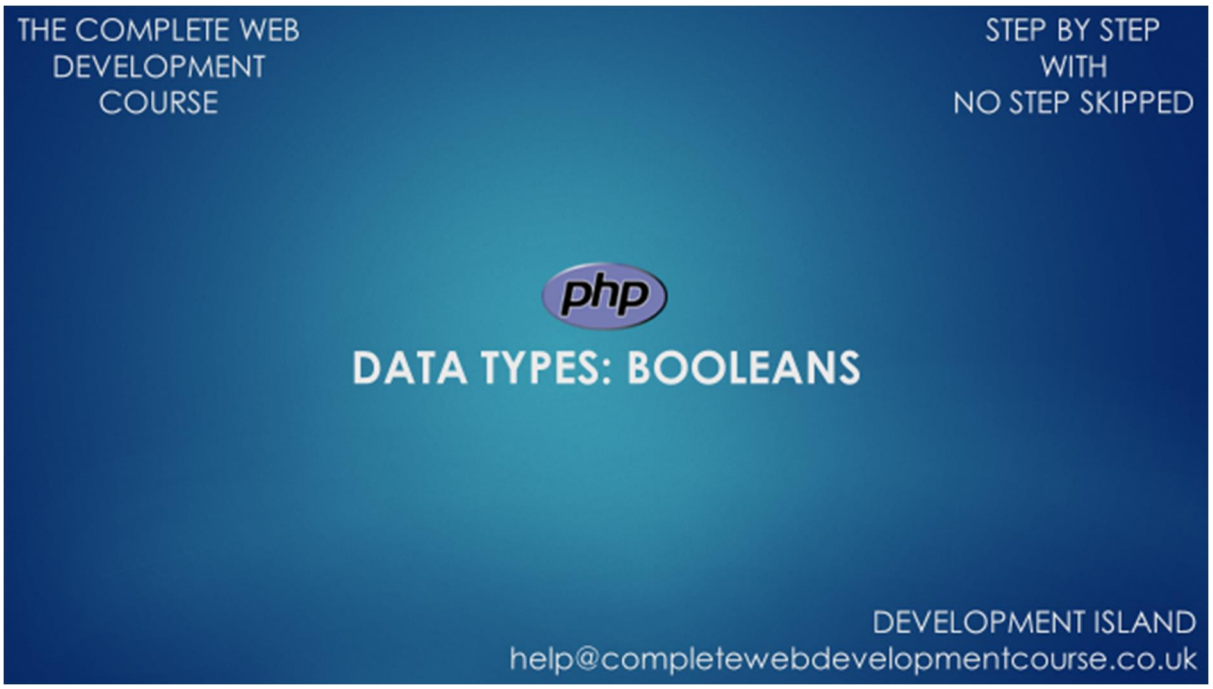
```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>data types: strings</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
        </style>

    </head>
        <body>
            <div class="container-fluid">
                <h1>Strings:</h1>
                <div>
<?php
$name = 'Peter';
echo 'Name: ' . $name . '<br />';
$string = "Peter's nice";
```

```
echo $string . "<br />";
$string2 = "My friend $name is nice.";
echo $string2;
?>
                </div>
            </div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```



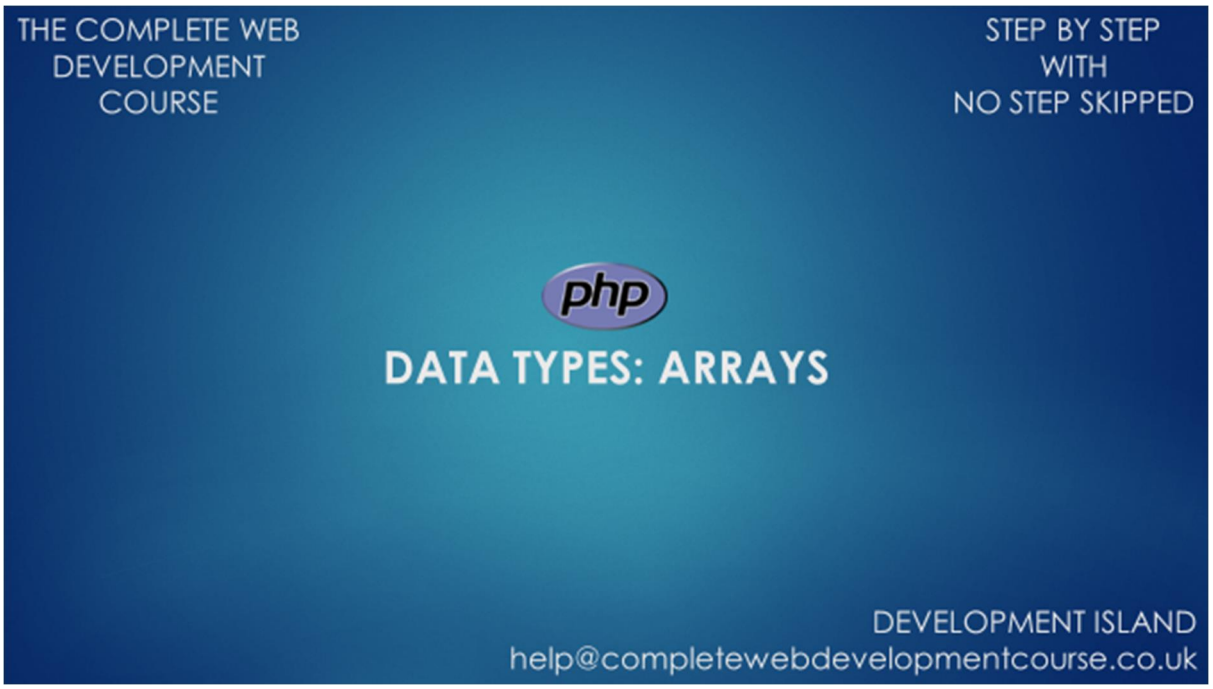

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>data types: integers and floats</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
        </style>

    </head>
        <body>
            <div class="container-fluid">
                <h1>Integers and Floats</h1>
                <div>
<?php
$x = 7;
var_dump($x);
$y = 3;
```

```
$z = $x+$y;
echo "<br />";
echo $z;
$z = 0x1A;
echo "<br />";
var_dump($z);
$w = 0123;
echo "<br />";
var_dump($w);

$floatingNumber = 3.7;
echo "<br />";
var_dump($floatingNumber);
?>
                </div>
            </div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```



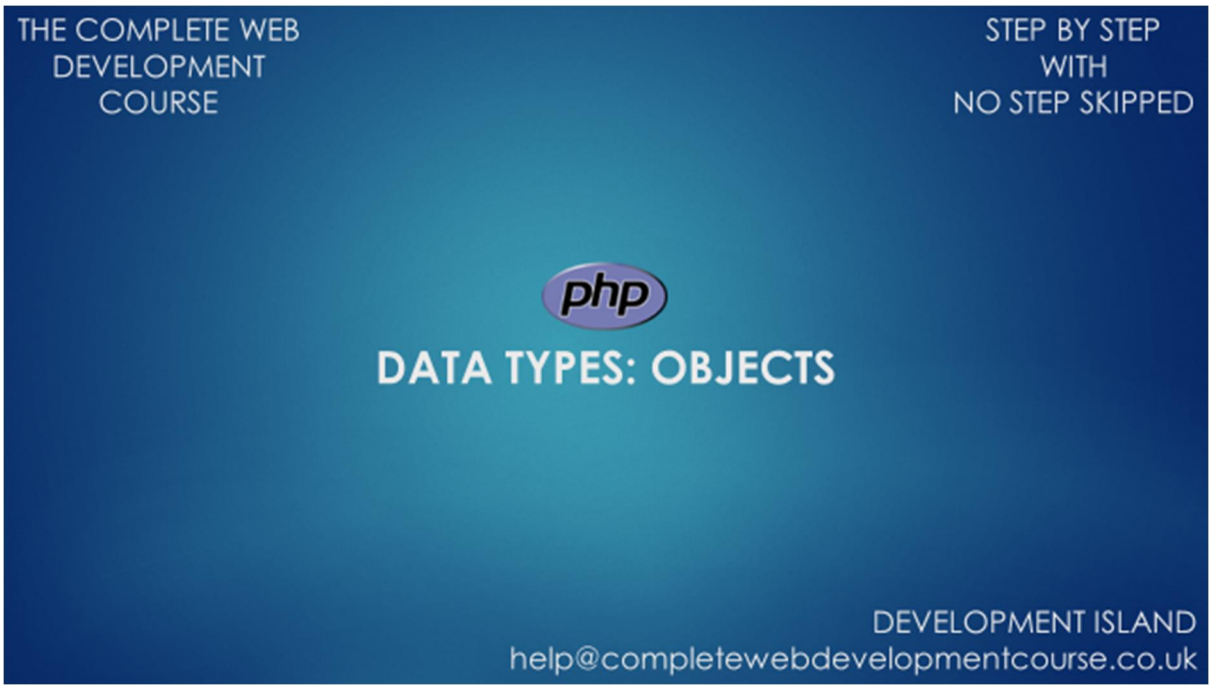

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>data types: booleans</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
        </style>

    </head>
        <body>
            <div class="container-fluid">
                <h1>Booleans:</h1>
                <div>
<?php
$booleanVariable1 = (5<6);
$booleanVariable2 = (3>5);
```

```
$booleanVariable3 = $booleanVariable1 ||
$booleanVariable2;
var_dump($booleanVariable1);
echo "<br />";
var_dump($booleanVariable2);
echo "<br />";
var_dump($booleanVariable3);
echo "<br />";
var_dump(!$booleanVariable1);
?>
                </div>
            </div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```



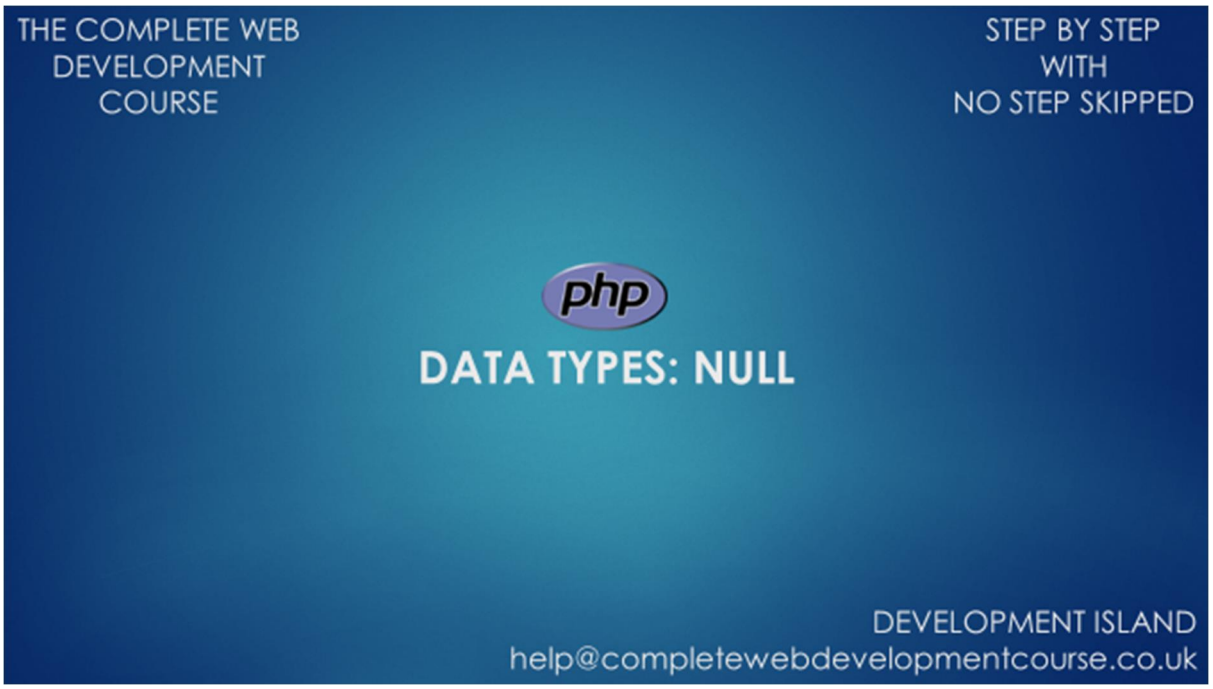

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>data types: arrays</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
        </style>

    </head>
        <body>
            <div class="container-fluid">
                <h1>Arrays:</h1>
                <div>
<?php
//Index Arrays
$carmakes = array("Audi", "BMW", "Mercedes");
echo "<p>Car makes:</p>";
```

```
print_r($carmakes);
echo "<p>Car makes: Element one</p>";
echo $carmakes[0];

//Associative Arrays
$shoppingBasket1 = array("a"=>"bread", "b"=>"milk",
"c"=>"eggs");
$shoppingBasket2 = array("b"=>"milk", "a"=>"bread",
"c"=>"eggs");
$shoppingBasket3 = array("d"=>"yogurt", "e"=>"orange",
"f"=>"apple");
$shoppingBasket = $shoppingBasket1 + $shoppingBasket3;
echo "<p>Shopping Basket:</p>";
print_r($shoppingBasket1);
echo "<br />";
var_dump($shoppingBasket1);
echo "<p>shoppingBasket1 == shoppingBasket2</p>";
var_dump($shoppingBasket1 == $shoppingBasket2);
echo "<p>shoppingBasket1 === shoppingBasket2</p>";
var_dump($shoppingBasket1 === $shoppingBasket2);
echo "<p>Basket 3</p>";
print_r($shoppingBasket3);
echo "<p>shoppingBasket1<> shoppingBasket3</p>";
var_dump($shoppingBasket1 != $shoppingBasket3);
echo "<p>shoppingBasket1 + shoppingBasket3</p>";
print_r($shoppingBasket1 + $shoppingBasket3);
?>
                </div>
            </div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```




```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>data types: objects</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
        </style>

    </head>
        <body>
            <div class="container-fluid">
                <h1>Objects:</h1>
                <div>
<?php
class car{
    //properties
    public $make = "Ford";
```

```
    private $status = "off";

    //methods
    function turn_on(){
     $this->status = "on";
    }
    function getStatus(){
        return $this->status;
    }
}

$myCar = new car;
var_dump($myCar);
echo "<br />";
echo $myCar->make;
echo "<br />";
$myCar->turn_on();
var_dump($myCar);
echo "<br />";
echo $myCar->getStatus();
?>
                </div>
            </div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```

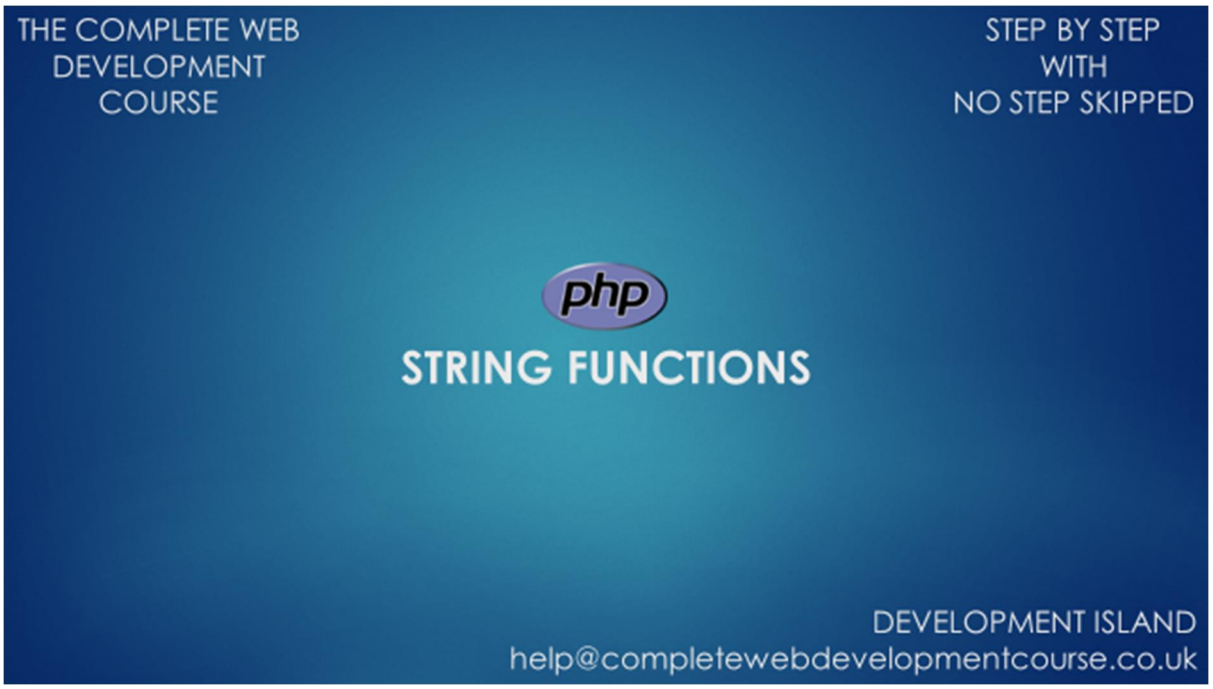



```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>data types: NULL</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
        </style>

    </head>
        <body>
            <div class="container-fluid">
                <h1>NULL:</h1>
                <div>
<?php
$novaluevariable;
var_dump($novaluevariable);
$novaluevariable = 5;
```

```
echo "<br />";
var_dump($novaluevariable);
$novaluevariable = null;
echo "<br />";
var_dump($novaluevariable);
?>
                </div>
            </div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```

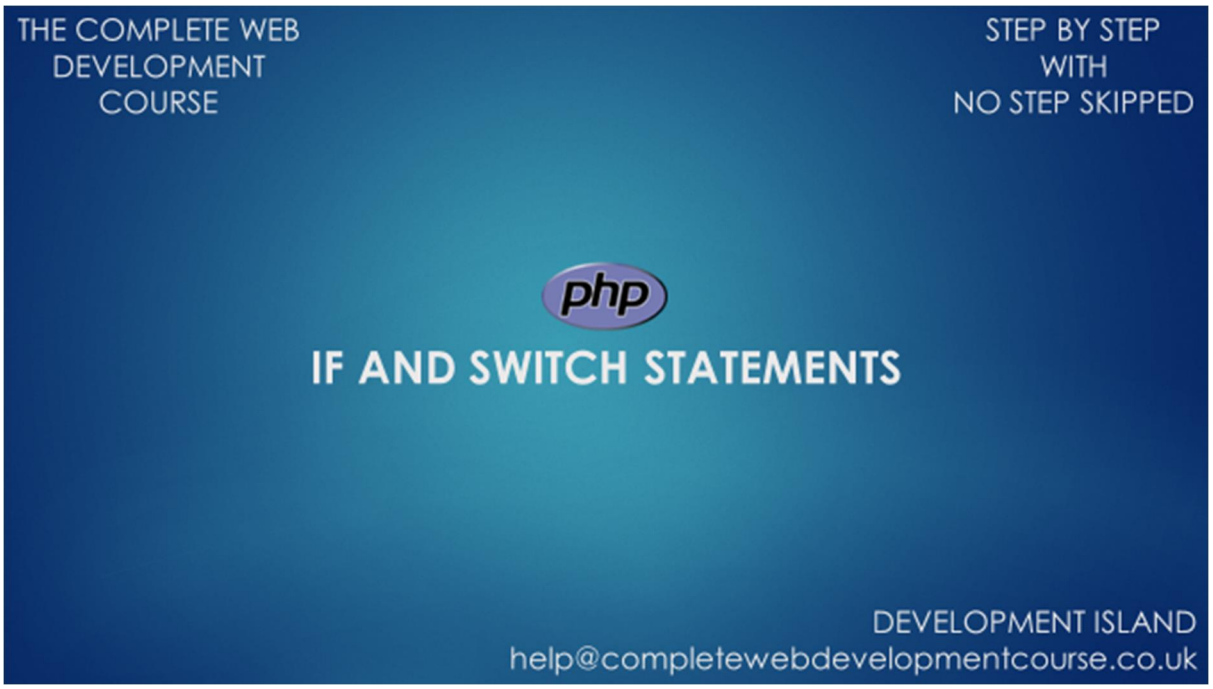
```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>data types: Resources</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
        </style>

    </head>
        <body>
            <div class="container-fluid">
                <h1>Resources:</h1>
                <div>
<?php
$myFile = fopen("sometext.txt","r");
var_dump($myFile);
echo "<br />";
```

```
echo fread($myFile,filesize("sometext.txt"));
?>
                </div>
            </div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```




```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>data types: String Functions</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
        </style>

    </head>
        <body>
            <div class="container-fluid">
                <h1>String Functions:</h1>
                <div>
<?php
$message = "Welcome to my website! Have a good time
exploring my website!";
echo "Length of my message: " . strlen($message);
```

```
echo "<br />";
echo "My message contains " . str_word_count($message) . "
words.";
echo "<br />";
echo str_replace("website", "world", $message,
$number_of_words_replaced);
echo "<br />";
echo "Number of words replaced: " .
$number_of_words_replaced . " words.";
echo "<br />";
echo "Can you read from the right? <br />" .
strrev($message);
?>
                </div>
            </div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```




```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>If else and switch</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
        </style>

    </head>
        <body>
            <div class="container-fluid">
                <h1>If else and switch:</h1>
                <di v>
<?php
$believeinyourdream = false;
if($believeinyourdream){
    echo "<p>You will be successful.</p>";
```

```
}else{
    echo "<p>Believe in your dream to be successful in
life.</p>";
}

$x = ($believeinyourdream)?"A":"B";
echo $x;

$temperature = 25;
if($temperature<15){
    echo "<p>It is cold!</p>";
}elseif($temperature>30){
    echo "<p>It is hot!</p>";
}else{
    echo "<p>The temperature is medium.</p>";
}

$strength = "belief";
switch($strength){
    case "belief":
        echo "<p>You have core values that are unchanging.
They will define your purpose in life.</p>";
        break;
    case "communication":
        echo "<p>You easily put your thoughts into words.
You are a good presenter.</p>";
        break;
    case "competition":
        echo "<p>You measure your progress against the
progress of others. You strive to win first place</p>";
        break;
    default:
        echo "<p>Choose a strength, you have many for
sure!</p>";
        break;
}
?>
                </div>
            </div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
```

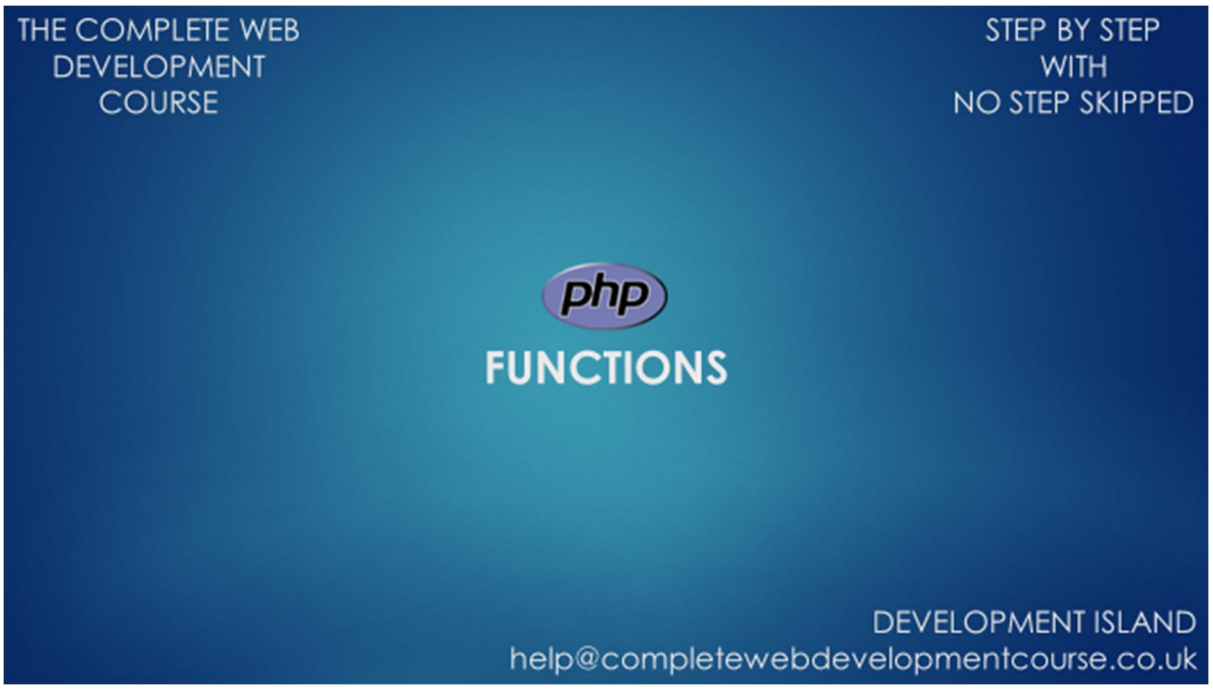
```
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>For Loop</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
        </style>

    </head>
        <body>
            <div class="container-fluid">
                <h1>For Loop:</h1>
                <div>
<?php
for($i = 1; $i <= 10; $i++){
 echo $i . "<br />";
}
```

```
$carmakes = array("BMW", "Audi", "Mercedes");
foreach($carmakes as $value){
    echo $value . "<br />";
}

$shoppingBasket = array("a"=>"yogurt", "b"=>"bread",
"c"=>"eggs");
foreach($shoppingBasket as $key=>$value){
    echo $key . " : " . $value . "<br />";
}
?>
                </div>
            </div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>While Loop</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
        </style>

    </head>
        <body>
            <div class="container-fluid">
                <h1>While Loop:</h1>
                <div>
<?php
$i = 1;
while($i <= 10){
    echo $i . "<br />";
```

```
    $i++;
}

$carmakes = array("BMW", "Audi", "Mercedes");
$j = 0;
while($j<3){
    echo $carmakes[$j] . "<br />";
    $j++;
}
?>
                </div>
            </div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```

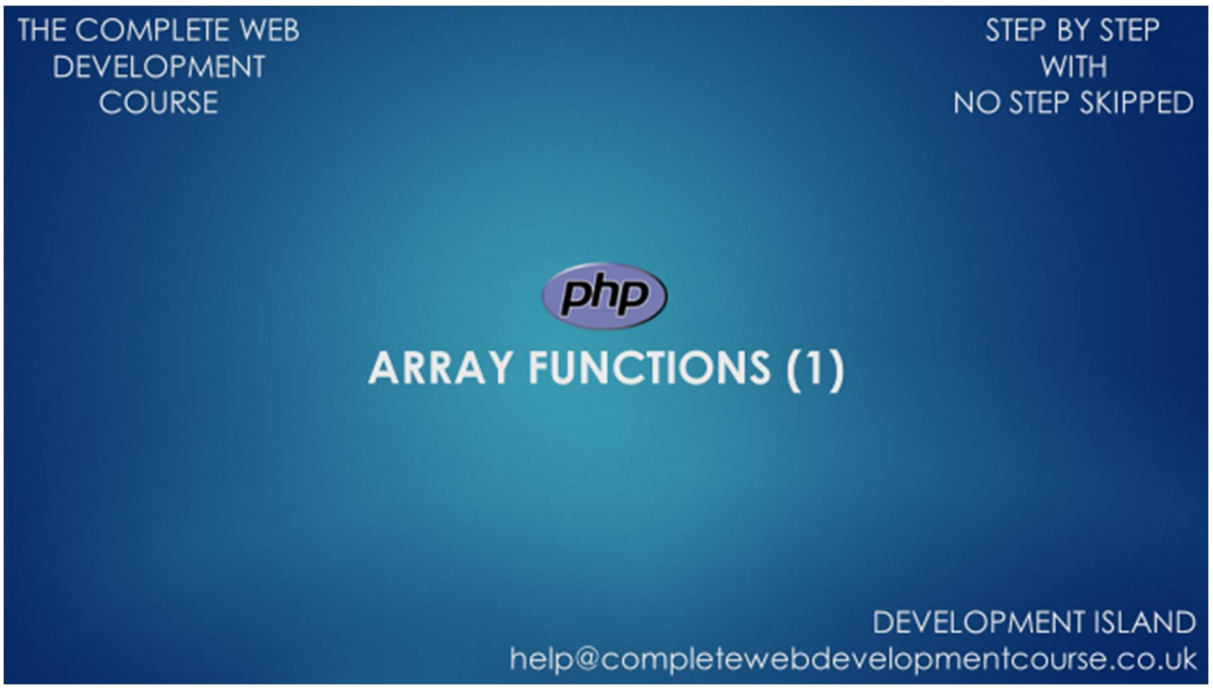


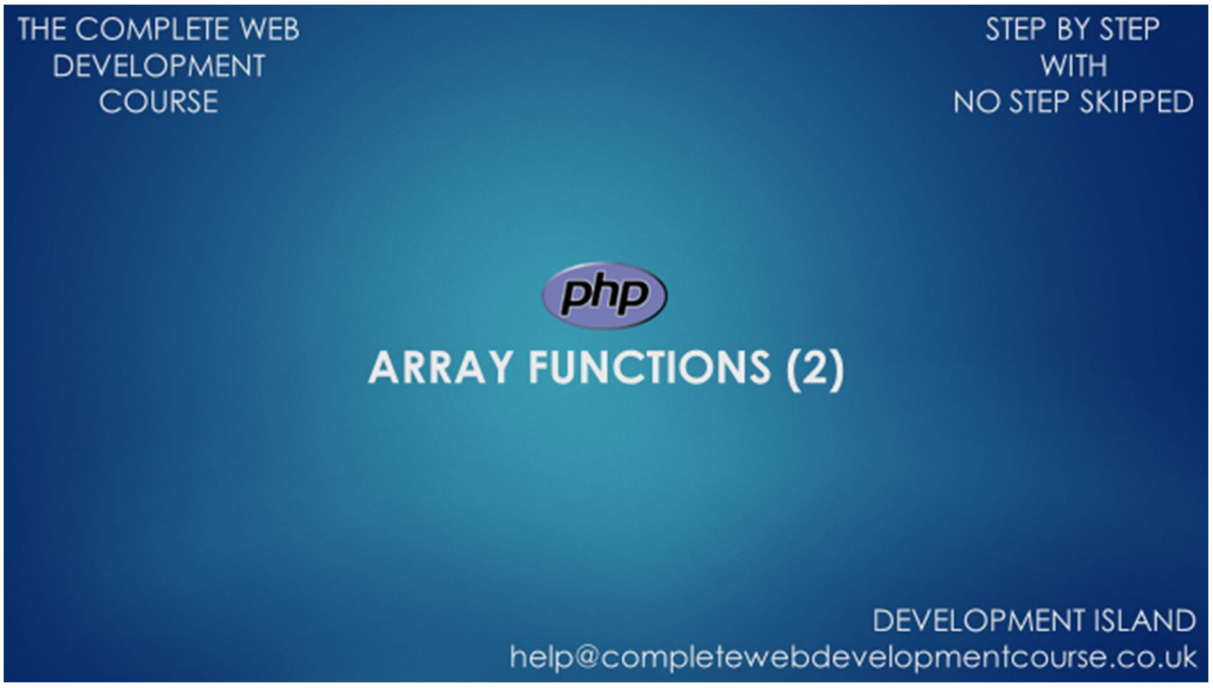

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>Functions</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
        </style>

    </head>
        <body>
            <div class="container-fluid">
                <h1>Functions:</h1>
                <div>
<?php
function welcomeMe(){
    echo "<p>Welcome to my website!</p>";
}
```

```
function welcomeUser($name, $credit){
    echo "<p>Hi $name. Welcome to my website! Your credit
is $credit dollars.</p>";
}

function sum($x, $y){
    return $x + $y;
}


welcomeMe();
welcomeUser("John", 100);
$sum = sum(7,5);
echo "<p>The sum of 7 and 5 is $sum.</p>";

?>
                </div>
            </div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>GET AND POST</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
        </style>

    </head>
        <body>
            <div class="container-fluid">
                <h1>Get and Post:</h1>
                <div>
<?php
echo "<h3>GET:</h3>";
print_r($_GET);
if($_GET["submit"]){
```

```
    if($_GET["username"]) {
        echo "<p>Hi ". $_GET["username"] . " . Welcome to
my page!</p>";
    }
}
echo "<h3>POST:</h3>";
print_r($_POST);
if($_POST["submit"]){
    if($_POST["country"]){
        echo "<p>Your Country is: " . $_POST["country"] .
".</p>";
    }
}
?>
                    <form method="get"
action="16.GET&POST.php">
                        <label
for="username">Username:</label>
                    <input type="text" name="username"
id="username">
                        <input type="submit" name="submit"
value="Submit">
                    </form>
                    <form method="post"
action="16.GET&POST.php">
                        <label
for="country">Country:</label>
                    <input type="text" name="country"
id="country">
                        <input type="submit" name="submit"
value="Submit">
                    </form>
                </div>
            </div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```






```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>Array functions</title>
```

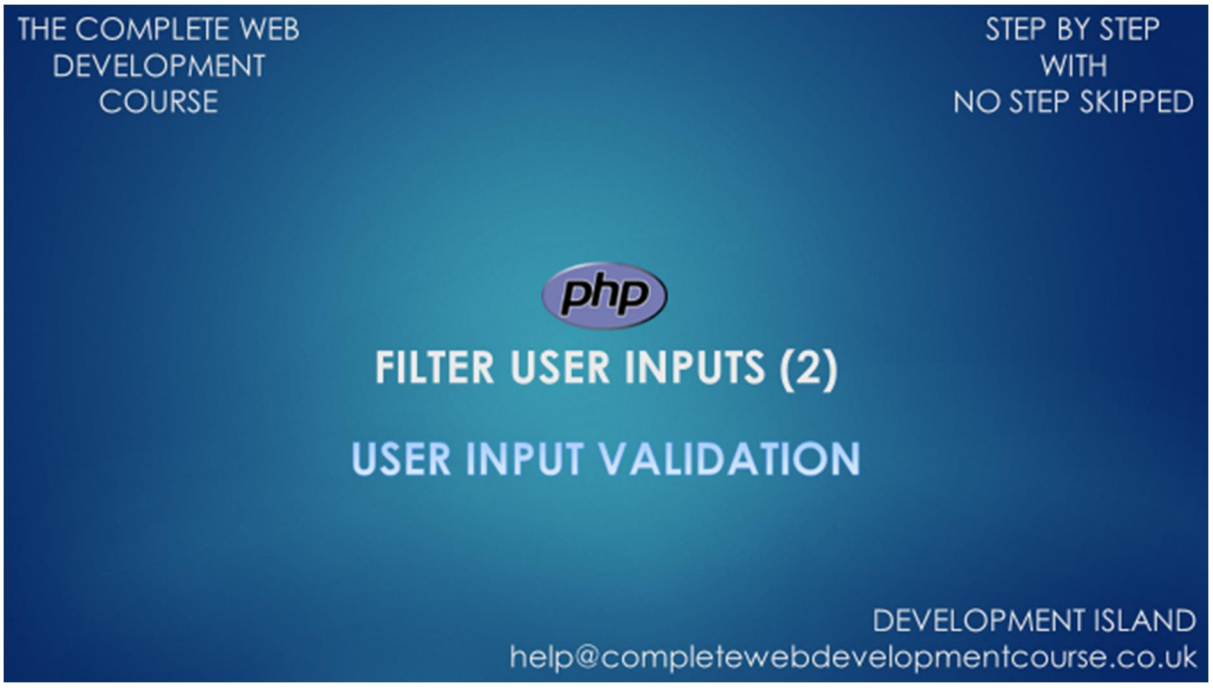
```
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
        </style>

    </head>
        <body>
            <div class="container-fluid">
                <h1>Array Functions:</h1>
                <div>
<?php
$shoppingBasket1 = array("bread", "milk", "eggs",
"bread");
$shoppingBasket2 = array("apple", "banana", "orange");
$shoppingBasket = array_merge($shoppingBasket1,
$shoppingBasket2);
echo "<p>Shopping Basket:</p>";
print_r($shoppingBasket);
echo "<p>Number of items in Shopping basket: </p>" .
count($shoppingBasket);


$count = array_count_values($shoppingBasket);
echo "<p>Basket Count</p>";
print_r($count);
echo "<p>Number of bread iteams in Basket: </p>" .
$count["bread"];


if(in_array("bread", $shoppingBasket)){
    echo "<p>There is bread in the basket.</p>";
}else{
    echo "<p>There is no bread in the basket.</p>";
}

array_push($shoppingBasket,"yogurt");
echo "<p>Shopping Basket after adding yogurt: </p>";
print_r($shoppingBasket);
if($_GET["submit"]){
```

```
    if($_GET["item"]){
        array_push($shoppingBasket,$_GET["item"]);
    }
}
echo "<p>Shopping Basket:</p>";
print_r($shoppingBasket);

array_splice($shoppingBasket, 0, 4,array("mango",
"kiwi"));
echo "<p>Shopping Basket:</p>";
print_r($shoppingBasket);

sort($shoppingBasket);
echo "<p>Shopping Basket sorted in ascending order:</p>";
print_r($shoppingBasket);

$carMakes = array("BMW"=>"X5", "Audi"=>"A6",
"Mercedes"=>"CLS");
echo "<p>Car makes:</p>";
print_r($carMakes);
asort($carMakes);
echo "<p>Car makes sorted in ascending order by
value:</p>";
print_r($carMakes);
ksort($carMakes);
echo "<p>Car makes sorted in ascending order by
keys:</p>";
print_r($carMakes);
?>
                    <form method="get">
                        <label for="item">Add item to
shopping Basket:</label>
                        <input type="text" name="item"
id="item">
                        <input type="submit" name="submit"
value="Submit">
                    </form>
                </div>
            </div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
```

```
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>Send Email</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
        </style>

    </head>
        <body>
            <div class="container-fluid">
                <h1>Send Email:</h1>
                <div>
<?php
$to = "sam@developwithsam.890m.com";
$subject = "We are learning PHP!";
```

```
$message = "<html><body><h1 style='color:green'>We are
learning PHP!</h1><h3 style='color:orange'>What are you
waiting for?</h3><p>Join us and spread the
word!</p></body></html>";
$headers = "Content-type: text/html;";
echo mail($to, $subject, $message, $headers);
?>
                </div>
            </div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```




```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>Filters</title>
```

```
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
            h3{
                color: #5ee875;
            }
        </style>

    </head>
        <body>
            <div class="container-fluid">
                <h1>Filters:</h1>
                <h3>Clean user inputs</h3>
                <div>
<?php
//username example
$myUsername = '<script>window.alert("Hi")</script>';
$myUsername = filter_var($myUsername,
FILTER_SANITIZE_STRING);
echo $myUsername;
//email example
$myEmail = 'sam@     completeweb   developm\\\\ entcour
se.co.uk';
$myEmail = filter_var($myEmail, FILTER_SANITIZE_EMAIL);
echo "<br />" . $myEmail;
//URL example
$myURL = "http://ff‌www.    google.com";
$myURL = filter_var($myURL, FILTER_SANITIZE_URL);
echo "<br />" . $myURL;
?>
                </div>
                <h3>Validate user inputs</h3>
                <div>
<?php

//Email validation
$myEmail = 'sam     completeweb   developm\\\\ entcour
se.co.uk';
$myEmail = filter_var($myEmail, FILTER_SANITIZE_EMAIL);
```

```
echo "<p>Cleaned email: $myEmail</p>";
echo "<p>Email validation: " . filter_var($myEmail,
FILTER_VALIDATE_EMAIL) . "</p>";
if(filter_var($myEmail, FILTER_VALIDATE_EMAIL)){
    echo "<p>Valid Email</p>";
}else{
    echo "<p>Invalid Email</p>";
}
//URL validation
$myURL = "http://ff‌www.    google.com";
$myURL = filter_var($myURL, FILTER_SANITIZE_URL);
echo "<p>Cleaned URL: $myURL</p>";
echo "<p>URL validation: ". filter_var($myURL,
FILTER_VALIDATE_URL) ."</p>"
?>
                </div>
            </div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```

THE COMPLETE WEB DEVELOPMENT COURSE
STEP BY STEP WITH NO STEP SKIPPED
php
CONTACT FORM
APPLICATION: CREATE A RESPONSIVE CONTACT FORM USING PHP AND BOOTSTRAP
DEVELOPMENT ISLAND
help@completewebdevelopmentcourse.co.uk

```
<!--20.contactform.php-->
<?php ob_start(); ?>
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>Contact Form</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
            .contactForm{
                border:1px solid #7c73f6;
                margin-top: 50px;
                border-radius: 15px;
            }
        </style>

    </head>
        <body>
```

```
<div class="container-fluid">
    <div class="row">
        <div class="col-sm-offset-1 col-sm-10
contactForm">
            <h1>Contact us:</h1>
<?php

//Get user input
$name = $_POST["name"];
$email = $_POST["email"];
$message = $_POST["message"];

//error messages
$missingName = '<p><strong>Please enter your
name!</strong></p>';
$missingEmail = '<p><strong>Please enter your email
address!</strong></p>';
$invalidEmail = '<p><strong>Please enter a valid email
address!</strong></p>';
$missingMessage = '<p><strong>Please enter a
message!</strong></p>';

//if the user has submitted the form
if($_POST["submit"]){
    //check for errors
    if(!$name){
        $errors .= $missingName;
    }else{
        $name = filter_var($name,FILTER_SANITIZE_STRING);
    }
    if(!$email){
        $errors .= $missingEmail;
    }else{
        $email = filter_var($email,
FILTER_SANITIZE_EMAIL);
        if(!filter_var($email,FILTER_VALIDATE_EMAIL)){
            $errors .=$invalidEmail;
        }
    }
    if(!$message){
        $errors .= $missingMessage;
    }else{
```

```
        $message = filter_var($message,
FILTER_SANITIZE_STRING);
    }

        //if there are any errors
    if($errors){
        //print error message
        $resultMessage = '<div class="alert alert-
danger">' . $errors .'</div>';
    }else{
        $to = "sam@hellodevelopers.890m.com";
        $subject = "Contact";
        $message = "
        <p>Name: $name.</p>
        <p>Email: $email.</p>
        <p>Message:</p>
        <p><strong>$message</strong></p>";
        $headers = "Content-type: text/html";
        if(mail($to, $subject, $message, $headers)){
//            $resultMessage = '<div class="alert alert-
success">Thanks for your message. We will get back to you
as soon as possible!</div>';
            header("Location:
20.thanksforyourmessage.php");
        }else{
            $resultMessage = '<div class="alert alert-
warning">Unable to send Email. Please try again
later!</div>';
        }
    }
    echo $resultMessage;
}
?>
            <form action="20.contactform.php"
method="post">
                <div class="form-group">
                <label for="name">Name:</label>
                <input type="text" name="name" id="name"
placeholder="Name" class="form-control" value="<?php echo
$_POST["name"];?>">
                </div>
                <div class="form-group">
```

```
                <label for="email">Email:</label>
                <input type="email" name="email"
id="email" placeholder="Email" class="form-control"
value="<?php echo $_POST["email"];?>">
                </div>
                <div class="form-group">
                <label for="message">Message:</label>
                    <textarea name="message" id="message"
class="form-control" rows="5"><?php echo
$_POST["message"];?></textarea>
                </div>
                <input type="submit" name="submit"
class="btn btn-success btn-lg" value="Send Message">

            </form>
        </div>
    </div>
</div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
<?php ob_flush(); ?>
```

```
<!--20.thanksforyourmessage.php-->
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>Thanks for your message</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
```

```
                color:purple;
            }
            .contactForm{
                border:1px solid #7c73f6;
                margin-top: 50px;
                border-radius: 15px;
            }
        </style>

    </head>
        <body>
<div class="container-fluid">
    <div class="row">
        <div class="col-sm-offset-1 col-sm-10
contactForm">
            <h1>Thanks</h1>
            <div class="alert alert-success">Thanks for
your message. We will get back to you as soon as
possible!</div>
        </div>
    </div>
</div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```

THE COMPLETE WEB DEVELOPMENT COURSE
STEP BY STEP WITH NO STEP SKIPPED
php
DATE AND TIME (2)
APPLICATION: WHAT DAY OF THE WEEK WERE YOU BORN? – GUESS THE DATE IN 1000 DAYS FROM NOW.
DEVELOPMENT ISLAND
help@completewebdevelopmentcourse.co.uk

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>Date and Time</title>
```

```
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
            h3{
                color:#42d5ce;
            }
            .contactForm{
                border:1px solid #7c73f6;
                margin-top: 50px;
                border-radius: 15px;
            }
        </style>

    </head>
        <body>
<div class="container-fluid">
    <div class="row">
        <div class="col-sm-offset-1 col-sm-10
contactForm">
            <h1>Date and Time</h1>
            <div>
                <h3>Date using the date() function:</h3>
<?php
//Formatting the Dates and Times with PHP
// Day of the month:
    //d (01/31)->two digits with leading zeros
    //j (1/31)->without leading zeros
// Day of the week:
    //D (Mon/Sun)->text as an abbreviation
    //l (monday)->full lowercase
    //L (MONDAY)->full uppercase
// Month:
    //m (01/12)->two digits with leading zeros
    //M (Jan)->text as an abbreviation
    //F (January)-> Full month
// Year:
    //y (09/15)->two digits
    //Y (2009-2015)->Four Digits
```

```php
// Separators:
    //hyphens: (-)
    //dots: (.)
    //slashes: (/)
    //spaces: ( )
$today = date("j-m, y");
echo "<p>Today is: $today.</p>";

?>


                <h3>Time using the date() function:</h3>
<?php
//format the time string:
//hour:
    //h (01-12)->12-hour format with leading zeros
    //H (00-24)->24-hour format with leading zeros
//minutes:
    //i (01-59)->minutes with leading zeros
//seconds:
    //s (01-59) ->seconds with leading zeros
//Ante meridiem and Post meridiem
    //a->lowercase
    //A->uppercase

$today = date("H:i:s A");
echo "<p>Time is: $today.</p>";

?>



                <h3>Current timestamp using time()
function:</h3>
<?php
$timestamp = time();
echo "<p>Timestamp is : $timestamp</p>";
?>


                <h3>Convert timestamp to time:</h3>
<?php
```

```
$time = date("F d, Y h:i:s A", $timestamp);
echo "<p>Time is $time.</p>";
?>


                <h3>Convert time to timestamp using
mktime() function:</h3>
<?php
//mktime(hour,minute,second,month,day,year)
$timestamp = mktime(15, 20, 12, 5, 10, 2017);
echo "<p>Timestamp is : $timestamp</p>";
$time = date("F d, Y h:i:s A", $timestamp);
echo "<p>Time will be $time.</p>";
?>

                <h3>Find out what day of the week you were
born:</h3>
<?php
$timestamp = mktime (0,0,0,15,04,1977);
$time = date("l",$timestamp);
echo "<p>You were born on a $time.</p>";
?>

                <h3>Date in 1000 days from now:</h3>
<?php
$timestamp = mktime(0, 0, 0, date("m"), date("d")+1000,
date("Y"));
$time = date("D d M, Y", $timestamp);
echo "<p>Date in 1000 days from now: $time.</p>";

?>

            </div>
        </div>
    </div>
</div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```

THE COMPLETE WEB DEVELOPMENT COURSE
STEP BY STEP WITH NO STEP SKIPPED
php
INCLUDE PHP FILES
APPLICATION: INCLUDE A HEADER AND FOOTER IN ALL YOUR WEBPAGES
DEVELOPMENT ISLAND
help@completewebdevelopmentcourse.co.uk

```
<!--23.includefiles.php-->
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>Include Files</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
            h3{
                color:#42d5ce;
            }
            .containingDiv{
                border:1px solid #7c73f6;
                margin-top: 100px;
                border-radius: 15px;
            }
        </style>
```

```
    </head>
        <body>
<?php
include "header.php";
?>
<div class="container-fluid">
    <div class="row">
        <div class="col-sm-offset-1 col-sm-10
containingDiv">
            <h1>Include Files</h1>
        </div>
    </div>
</div>
<?php
include "footer.php";
?>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```

```
<!--header.php-->
<nav role="navigation" class="navbar navbar-inverse
navbar-fixed-top">
    <div class="container-fluid">
        <div class="navbar-header">
            <a class="navbar-brand">Store</a>
            <button type="button" class="navbar-toggle"
data-target="#navbarCollapse" data-toggle="collapse">
                <span class="sr-only">Toggle
navigation</span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
            </button>
        </div>
        <div class="navbar-collapse collapse"
id="navbarCollapse">
```

```
            <ul class="nav navbar-nav">
                <li class="active"><a href="#">All
Products</a></li>
                <li><a href="#">Help</a></li>
                <li><a href="#">Department <span
class="caret"></span></a></li>
            </ul>
            <form class="navbar-form navbar-left"
role="search">
                <div class="input-group">
                    <span class="input-group-btn">
                    <button type="submit" class="btn btn-
info">Go</button>
                    </span>
                    <label for="search" class="sr-
only">Search</label>
                    <input type="text" id="search"
class="form-control" placeholder="Search">
                    <span class="glyphicon glyphicon-
search form-control-feedback"></span>
                </div>
            </form>

            <form class="navbar-form navbar-right">
            <input class="btn btn-success" type="button"
value="Login">
            </form>
        </div>
    </div>
</nav>
```

```
<!--footer.php-->
<style>
html{
    position: relative;
    min-height:100%;
}
body{
    margin-bottom: 100px;
}
```

```
.footer{
    position: absolute;
    bottom: 0;
    width: 100%;
    background-color: #f3f1f1;
    height: 60px;
}

</style>




<footer class="footer">
    <div class="container">
        <p class="text-muted">
<?php
$today = date("Y");
echo "Copyright &copy; 2010-$today";
?>
        </p>
    </div>

</footer>
```

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>File Handling</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
            h3{
                color:#42d5ce;
            }
            .containingDiv{
                border:1px solid #7c73f6;
                margin-top: 100px;
                border-radius: 15px;
            }
        </style>

    </head>
```

```
        <body>
<?php
include "header.php";
?>
<div class="container-fluid">
    <div class="row">
        <div class="col-sm-offset-1 col-sm-10
containingDiv">
            <h1>File Handling</h1>

                <h3>fopen/fclose:</h3>
<?php
if(file_exists("sometextf.txt")){
    $myFile = fopen("sometext.txt", "r");
    fclose($myFile);
}else{
    echo "<p>This file does not exist!</p>";
}

?>

                <h3>fread:</h3>
<?php
$fileHandle = fopen("sometext.txt", "r") or die("Unable to
open file!");
$fileContent =
fread($fileHandle,filesize("sometext.txt"));
fclose($fileHandle);
var_dump($fileContent);
?>

                <h3>file_get_contents:</h3>
<?php
$fileContent = file_get_contents("sometext.txt") or
die("Unable to read file");
var_dump($fileContent);

?>

                <h3>file function:</h3>
<?php
```

```
$fileContent = file("sometext.txt") or die ("Unable to
read file");
var_dump($fileContent);
echo "<br />";
foreach($fileContent as $line){
    echo $line . "<br />";
}
?>

                <h3>fwrite:</h3>
<?php
$fileHandle = fopen("sometext.txt", "w") or die ("Unable
to open file!");
fwrite($fileHandle, "This is new content") or die("Unbale
to write to file!");
$fileContent = file("sometext.txt") or die("Unable to read
file!");
var_dump($fileContent);
?>

                <h3>file_put_contents:</h3>
<?php
file_put_contents("sometext.txt", "\r\n This is some other
new content!", FILE_APPEND) or die ("Unable to write to
file!");
$fileContent = file("sometext.txt") or die("Unable to read
file!");
var_dump($fileContent);
?>

        </div>
    </div>
</div>
<?php
include "footer.php";
?>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```

```
<!--25.fileupload.php-->
<?php ob_start(); ?>
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>File Upload</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
            h3{
                color:#42d5ce;
            }
            .containingDiv{
                border:1px solid #7c73f6;
                margin-top: 100px;
                border-radius: 15px;
            }
        </style>
```

```
    </head>
        <body>
<?php
include "header.php";
?>
<div class="container-fluid">
    <div class="row">
        <div class="col-sm-offset-1 col-sm-10
containingDiv">
            <h1>Upload file:</h1>
<?php
if($_POST["submit"]){
//file details
    $name = $_FILES["file"]["name"];
    $type = $_FILES["file"]["type"];
    $size = $_FILES["file"]["size"];
    $fileerror = $_FILES["file"]["error"];
    $tmp_name = $_FILES["file"]["tmp_name"];
    $permanentdestination = "uploads/" .
$_FILES["file"]["name"];

//error messages to display
    $noFiletoUpload = "<p><strong>Please upload a
file!</strong></p>";
    $fileAlreadyExists = "<p><strong>This file already
exists!</strong></p>";
    $wrontFormat = "<p><strong>Sorry, you can only upload
pdf and text files!</strong></p>";
    $fileTooLarge = "<p><strong>You can only upload files
smaller than 3Mo!</strong></p>";

//allowed formats to upload
    $allowedFormats = array("pdf"=>"application/pdf",
"text"=>"text/plain");

//check for errors
    if($fileerror == 4){
        $errors .=$noFiletoUpload;
    }else{
        if(file_exists($permanentdestination)){
            $errors .= $fileAlreadyExists;
```

```
        }
        if($size > 3*1024*1024){
            $errors .= $fileTooLarge;
        }
        if(!in_array($type, $allowedFormats)){
            $errors .= $wrontFormat;
        }
    }



    if($errors){
        $resultMessage = '<div class="alert alert-
danger">' . $errors .'</div>';
        echo $resultMessage;
    }else{
     if(move_uploaded_file($tmp_name,
$permanentdestination)){
//        $resultMessage = '<div class="alert alert-
success">File uploaded successfuly</div>';
//         echo $resultMessage;
         header("Location: 26.thanksforyourfile.php");
     }else{
        $resultMessage = '<div class="alert alert-
warning"Unable to upload file. Please try again
later.></div>';
         echo $resultMessage;
     }

    }

    print_r($_FILES);
    if($_FILES["file"]["error"]>0){
        echo "<p>There was an error: ".
$_FILES["file"]["error"] ."</p>";
    }else{
        echo "<p>File: ".  $_FILES["file"]["name"]
."</p>";
        echo "<p>File type: ".  $_FILES["file"]["type"]
."</p>";
        echo "<p>Temporary location: ".
$_FILES["file"]["tmp_name"] ."</p>";
```

```
        echo "<p>File size: ".  $_FILES["file"]["size"]
."</p>";
        echo "<p>Permanent destination: ".  "uploads/" .
$_FILES["file"]["name"] . "</p>";
    }
}


?>
            <form method="post" enctype="multipart/form-
data">
                <div class="form-group">
                    <label for="file">Choose file:</label>
                    <input type="file" name="file"
id="file" placeholder="File">
                </div>
                <input type="submit" name="submit"
class="btn btn-success btn-lg" value="Upload">
            </form>
        </div>
    </div>
</div>
<?php
include "footer.php";
?>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
<?php ob_flush(); ?>
```

```
<!--26.thanksforyourfile.php-->
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
```

```
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>Thanks for your file</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
            .contactForm{
                border:1px solid #7c73f6;
                margin-top: 50px;
                border-radius: 15px;
            }
        </style>

    </head>
        <body>
<div class="container-fluid">
    <div class="row">
        <div class="col-sm-offset-1 col-sm-10
contactForm">
            <h1>Thanks</h1>
            <div class="alert alert-success">Thanks for
your file. We will get back to you as soon as
possible!</div>
        </div>
    </div>
</div>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>Cookies</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
            h3{
                color:#42d5ce;
            }
            .containingDiv{
                border:1px solid #7c73f6;
                margin-top: 100px;
                border-radius: 15px;
            }
```

```
        </style>

    </head>
        <body>
<?php
include "header.php";
?>
<div class="container-fluid">
    <div class="row">
        <div class="col-sm-offset-1 col-sm-10
containingDiv">
            <h1>Cookies:</h1>
<?php
setcookie("username", "buenosdias", time()+7*24*60*60);
setcookie("username", "", time()-1000);
print_r($_COOKIE);
if($_COOKIE["username"]){
    echo "<p>Value of the username cookie: ".
$_COOKIE["username"] ."</p>";
}else{
    echo "<p>Cookie not set.</p>";
}
?>
        </div>
    </div>
</div>
<?php
include "footer.php";
?>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```

THE COMPLETE WEB DEVELOPMENT COURSE
STEP BY STEP WITH NO STEP SKIPPED
php
ERROR HANDLING
APPLICATION: CREATE A LOG OF YOUR WEBSITE'S PHP ERRORS – TRIGGER AN EMAIL WHEN ERRORS OCCUR.
DEVELOPMENT ISLAND
help@completewebdevelopmentcourse.co.uk

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>Error Handling</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
            h3{
                color:#42d5ce;
            }
            .containingDiv{
                border:1px solid #7c73f6;
                margin-top: 100px;
                border-radius: 15px;
            }
        </style>

    </head>
```

```
        <body>
<?php
include "header.php";
?>
<div class="container-fluid">
    <div class="row">
        <div class="col-sm-offset-1 col-sm-10
containingDiv">
            <h1>Error Handling:</h1>
            <h3>Example 1:</h3>
<?php
function errorHandler1($errno, $errstr, $errfile,
$errline, $errcontext){
    echo "<p><strong>Error</strong>: [$errno]
$errstr.</p>";
}
// Set error handler
set_error_handler("errorHandler1");
echo filesize("inexistingfile.txt");
?>
            <h3>Example 2:</h3>
<?php
function calculateFileSize($file){
    if(!file_exists($file)){
        trigger_error($file . " does not exist and thus
size cannot be retrieved!", E_USER_WARNING);
        return false;
    }else{
        return filesize($file);
    }
}

function errorHandler2($errno, $errstr, $errfile,
$errline, $errcontext){
    $log = "Error[$errno] on " . date("d/m/Y H:i:s") .
"\r\n";
    $log .= "Details: $errstr. \r\n";
    $log .= "Location: In $errfile on line $errline.
\r\n";
    $log .= "Variables: " . print_r($errcontext, true) .
"\r\n";
```

```
    error_log($log, 3, "logs/errorhandlingerrors.log");
    error_log($log, 1, "sam@hellodevelopers.890m.com");
    die("<p>An error occured, please try again!</p>");
}

set_error_handler("errorHandler2");
echo calculateFileSize("inexistingfile.txt");

?>
        </div>
    </div>
</div>
<?php
include "footer.php";
?>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible"
content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <title>SESSIONS</title>
        <link href="css/bootstrap.min.css"
rel="stylesheet">
        <style>
            h1{
                color:purple;
            }
            h3{
                color:#42d5ce;
            }
            .containingDiv{
                border:1px solid #7c73f6;
                margin-top: 100px;
                border-radius: 15px;
            }
        </style>

    </head>
```

```
        <body>
<?php
include "header.php";
?>
<div class="container-fluid">
    <div class="row">
        <div class="col-sm-offset-1 col-sm-10
containingDiv">
            <h1>SESSIONS:</h1>
<?php
// start a session
session_start();
// store data
$_SESSION["firstname"] = "Mark";
$_SESSION["lastname"] = "Zuckerberg";
$firstname = $_SESSION["firstname"];
$lastname = $_SESSION["lastname"];
echo "<p>Hi $firstname $lastname!</p>";
//remove data from session
if(isset($_SESSION["firstname"])){
    unset($_SESSION["firstname"]);
}
echo $_SESSION["firstname"]?1:0;
//destroy session
session_destroy();
?>
        </div>
    </div>
</div>
<?php
include "footer.php";
?>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/j
query.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        </body>
</html>
```